

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 0006	3. EFFECTIVE DATE 01/23/98	4. REQUISITION/PURCHASE REQ. NO. 0-8-10-U3-TR-A36	5. PROJECT NO. (If applicable)
6. ISSUED BY INTERNAL REVENUE SERVICE A/C (PROCUREMENT) M:P:I:D 6009 Oxon Hill Road, 7th Floor Oxon Hill, MD 20745		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(✓) X	9A. AMENDMENT OF SOLICITATION NO. TIRNO-98-R-00003 9B. DATED (SEE ITEM 11) October 23, 1997 10A. MODIFICATION OF CONTRACT/ORDER NO. 10B. DATED (SEE ITEM 13)

TO ALL OFFERORS

CODE	FACILITY CODE	11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS
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X The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers X is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A.	THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B.	THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)
C.	THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D.	OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

See Page 2.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
BY <u> </u> (Signature of person authorized to sign)	BY <u> </u> (Signature of Contracting Officer)

Solicitation No. TIRNO-98-R-00003
Amendment 0006

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Solicitation No. TIRNO-98-R-00003 dated October 23, 1997 is hereby amended as follows:

1. Proposal submission due date is hereby extended as follows:
 - a. Full and open competitive portion is due February 4, 1998.
 - b. Small business set-aside portion is due February 20, 1998.
 - c. Standard Form 1449, Block 8, Offer Due Date/Local Time, is amended to read:

“02/04/98, 2:00 P.M. local time, for the full and open competitive portion; and
02/20/98, 2:00 P.M. local time, for the small business set-aside portion.”
- b. SECTION E.2.13.1., Due Date for Proposals, first sentence, is amended as follows:

“Proposals submitted in response to the full and open portion of this solicitation shall be delivered before or no later than February 4, 1998, 2:00 P.M., local time. Proposals submitted in response to the small business set-aside portion shall be delivered before or no later than February 20, 1998, 2:00 P.M., local time.” See the dates and times specified in Block 8 of the Standard Form 1449.”
3. The below referenced pages are hereby revised and incorporated into Solicitation No. TIRNO-98-R-00003:
 - a. Pages B-22, E-23 and E-28. These pages are hereby replaced in their entirety with the attached corresponding numbered replacement pages.
 - b. Section D-4 has been replaced in its entirety.

B.9.7.2. Fax/Modem

The fax/modems shall be compatible with the workstations, servers and notebooks provided. It is not required that the internal fax/modem work with the notebooks provided. The PCMCIA fax/modem provided shall be compatible with the notebooks and PCMCIA Port/Socket provided.

The product provided shall include, at a minimum:

- a. fax/modem device, at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;
- b. modem speed: minimum 33.6Kbps (compatible with lower transmit/receive rates);
- c. RJ-11 connectors for line and phone, except for PCMCIA modem which is for line only; |
- d. audio speaker with software volume control (PCMCIA card can use external speaker to generate sound);
- e. communication software for FAX and modem operation;
- f. required cabling, including phone cable; and
- g. documentation, connection, and operating instructions. |

The Contractor shall provide:

- one internal fax/modem;
- one external fax/modem, and
- one PCMCIA fax/modem.

B.9.7.3. I/O Interface Card

The I/O interface card provided shall be compatible for use with the workstations and servers offered. The I/O interface card shall also be compatible with the external fax/modem provided, and shall not impede full data transmission speed.

The Contractor shall provide one I/O interface card. The product provided shall:

- a. be, minimum, one RS-232 serial interface with independent communication, must support 16550 Universal Asynchronous Receiving and Transmission (UART), and be independently addressable as COM 1, 2, 3, or 4;
- b. include software and drivers; and
- c. documentation, connection, and operating instructions.

D.4 INSTRUCTIONS FOR COMPLETING REQUIREMENTS

Included in this section are the matrices for each product requirement listed in Section B. Each product requirement has its own unique and individual matrix. Each matrix has been designed to parallels specific needs and requirements within Section B. Each matrix shall not be used for, or combined with, any other matrix to meet any other product requirements. The matrices have been designed to be part of the validation process for each contract and functional requirement. The matrices were developed in WordPerfect 6.x for Windows.

You are not allowed to make any changes to the matrices. You are only allowed to fill in the information as required for validation. If you make any changes to the matrices, other than to provide the information for validation purposes, your proposal will be considered noncompliant.

Each matrix is divided into columns for ease of reference to the requirements in Section B. All matrices include columns listing the "RFP Reference", "Required Minimum Specifications", "Yes", and "No" headers. The matrices listing the product functional specifications include additional columns for "Technical Literature Reference", "Manufacturer", and "Model Number". To the right of the "Yes" and the "No" columns are blank columns, with no header.

Each matrix must be completed and submitted with the proposal. Refer to Section E, for proposal submission instructions.

If you wish to propose, you need to download the matrices. You must use the individual matrices for all matrices required responses. Import the matrices into electronic form for data entry. No handwritten responses will be accepted. All matrices must be saved in WordPerfect 6.1, when completed.

In order to respond to the requirements you must place an "X" in the row to the right of the "Yes" or "No" column for each required specification, depending upon your decision to meet or not meet the stated requirements. You are only allowed one "Yes" or "No" answer per row. If you answer both "Yes" and "No" to the same requirement, it will be considered as if you did not address the requirement. If you do not place an "X" in either the "Yes" or "No" row/column, it will be considered as if you did not address the requirement. If you do not address all requirements, your proposal may be considered noncompliant.

The column with the "Tech Lit Ref" (Technical Literature Reference) is to be completed by the offeror. The Technical Evaluation Team will be performing a technical validation during this part of the proposal evaluation process. This column is used to list the individual technical literature reference requirements for each of the corresponding "Required Minimum Specifications." The technical literature reference will list where the specific requirement is referenced in the technical literature provided, by the offeror, with the proposal. The technical literature reference should include, at a minimum, tab, page, column, and paragraph, for ease of reference. (Refer to Section E for proposal submission guidelines.) It is recommended that the offeror highlight the specific reference in the technical literature, also. Technical information that is not easy to locate, or understand may make the proposal noncompliant.

Technical literature includes published brochures, pamphlets, and manuals. It is not necessary to include the entire manual, but rather the specific page(s) used to validate the requirement. Specific pages include the manual cover/title, index/table of contents, and relevant/specific page(s) used for reference. If published documentation is not available to address specific requirements, a letter from the manufacturer, OEM, or supplier, on letterhead, stating the requirements must be provided. The letter must be dated, list this solicitation number and title, specific CLIN(s) being referenced, specific requirement(s) being met/exceeded, how the specific requirements are being met/exceeded, and signed by a company official. A letter from the offer is not acceptable, unless the offeror is the manufacturer, OEM, or supplier. Documentation must be provided by the company ("company" is a term as generally understood) that will be providing the product(s) to be offered against this solicitation.

The "Manufacturer (and) Model Number" column is used to list the specific manufacturer/model number of product being offered that meets the specific "Required Minimum Specification." If a manufacture or model number is not applicable to the specific "Required Minimum Specification" then a "NA" is to be listed. For example, if the Mouse Pad is being referenced, it can be listed as Acme Mouse Pads Inc./NA. The " / " divides the manufacturer reference from the model number reference. However, if the mouse pad does have a model number, that same example would be as follows: Acme Mouse Pads Inc./448-248P.

General Requirements Matrix *					
10/23/97					
RFP Reference	Required Minimum Specifications				
	The offeror has read, understands and agrees to the following Sections in the Request for Proposals:				
B.3.	Contract Pricing	Yes>>		No >>	
B.4.	Program Ceiling Amount	Yes>>		No >>	
B.5.	Scope of Contract	Yes>>		No >>	
B.6	Available to Other Federal Agencies	Yes>>		No >>	
B.7.	General Description	Yes>>		No >>	
B.8.	General Requirements	Yes>>		No >>	
B.8.	-- FAR Part 12 & Part 2	Yes>>		No>>	
B.8.a.	-- product compatibility	Yes>>		No >>	
B.8.b.	-- product components/driver requirements	Yes>>		No >>	
B.8.c.	-- Centronics and RS-232 requirements	Yes>>		No >>	
B.8.d.	-- interface and communication requirements	Yes>>		No >>	
B.8.e.	-- GFP requirements	Yes>>		No >>	
B.8.f.	-- Executive Order Number 12845 (April 21, 1993)	Yes>>		No >>	
B.8.	Year 2000 Warranty (1052.239-9002)	Yes>>		No >>	
B.8.1.	General User Environment	Yes>>		No >>	
B.8.2.	Pre-Installation	Yes>>		No >>	
B 8.3.	Documentation and installation instructions.	Yes>>		No >>	
B.8.4.	Hardware and Software	Yes>>		No >>	

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9. MICROCOMPUTERS							
B.9.1. MICROCOMPUTERS - WORKSTATIONS (Workstation #1)	CLIN 0001						
	At a minimum, the workstation proposed shall include, but not be limited to, the following components:						
B.9.1.1.a.	a. microprocessor, at a minimum, Pentium MMX or equivalent system; backwards compatible to the existing hardware and software base as listed in Sections B.7 and B.9.1.;	Yes>>		No >>			
B.9.1.1.b.	b. minimum 32MB RAM, system expandable to a minimum 128MB, on the motherboard;	Yes>>		No >>			
B.9.1.1.c.	c. minimum 2.0GB formatted, non-compressed hard disk drive	Yes>>		No>>			
B.9.1.1.d.	d. 512KB cache memory;	Yes>>		No >>			
B.9.1.1.e.	e. internal CD-ROM drive, minimum 20x speed	Yes>>		No >>			
B.9.1.1.f.	f. internal 90mm (3.5") High Density Floppy Disk Drive;	Yes>>		No >>			
B.9.1.1.g.	g. additional drive bays for one orderable hard disk drive and one orderable internal Storage Device (e.g., PCMCIA Socket/Port, Tape Back-Up);	Yes>>		No >>			
B.9.1.1.h.	h. 32 Bit SVGA card with 2MB RAM. If integrated on motherboard, must be capable of being disabled and include instructions for disabling; local-bus video compatible, 1024 x 768 resolution, 64K color;	Yes>>		No >>			
B.9.1.1.i.	i. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1, 2, 3, or 4;	Yes>>		No >>			
B.9.1.1.j.	j. one parallel port (bidirectional);	Yes>>		No >>			
B.9.1.1.k.	k. QWERTY non-membrane keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>			
B.9.1.1.l.	l. mouse (not to be connected to the required serial interface described above);	Yes>>		No >>			
B.9.1.1.m.	m. mouse pad;	Yes>>		No >>			
B.9.1.1.n.	n. at least 3 free expansion slots, 2 of which must be 32-bit (minimum) expansion slots; and	Yes>>		No >>			
B.9.1.1.o.	o. documentation, connection, and installation instructions	Yes>>		No >>			
	Categories of Workstations (separate CLINs)						
B.9.1.2.(a)	(a) One workstation provided shall be, at a minimum, 233 MHz Pentium MMX or equivalent system	Yes>>		No >>			
B.9.1.2.(c)	(c) A processor equivalent to a Pentium MMX shall include the following, at a minimum:						
B.9.1.2.(c)(1)	(c)(1) 100 percent binary code compatible with the 80X86 architecture base;	Yes>>		No >>			
B.9.1.2.(c)(2)	(c)(2) Allows sophisticated visual capabilities while maintaining background functions;	Yes>>		No >>			
B.9.1.2.(c)(3)	(c)(3) Execute two integer instructions in a single clock cycle;	Yes>>		No >>			
B.9.1.2.(c)(4)	(c)(4) Built-in cache controller;	Yes>>					
B.9.1.2.(c)(5)	(c)(5) Build-in floating point unit, execute two floating point operations every clock cycle, arithmetic logic unit independent;	Yes>>		No >>			
B.9.1.2.(c)(6)	(c)(6) 32-bit address bus interface and internal data path;	Yes>>		No >>			
B.9.1.2.(c)(7)	(c)(7) 64-bit data address bus interface	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.1.2.(c)(8)	(c)(8) Ensures that the data in the cache and in main memory are consistent with one another;	Yes>>		No >>			
B.9.1.2.(c)(9)	(c)(9) Minimum 32K combined internal cache;	Yes>>		No >>			
B.9.1.2.(c)(10)	(c)(10) Executes MMX instructions.	Yes>>		No >>			
B.9.1.2.	In addition to the salient characteristics, the equivalent processor must run the operating system, GUI, and application software in native applications at processor clock speed intended (e.g., not modification to, and/or additional software, drivers and/or hardware items/products required).	Yes>>		No >>			
B.9.1.2.	In order to be considered equivalent, the proposed processor shall not:						
B.9.1.2.(c) (a)	(c)(a) Be externally enhanced to make it perform beyond its original intent and design;	Yes>>		No >>			
B.9.1.2.(c) (b)	(c)(b) Be software enhanced to make the processor "think" that it is something other than what it was originally designed to be, or require additional processing demands;	Yes>>		No >>			
B.9.1.2.(c) (c)	(c) (c) Be modified to speed-up the processing capabilities through the use of additional products;	Yes>>		No >>			
B.9.1.2.(c) (d)	(c)(d) Cause system stressing;	Yes>>		No >>			
B.9.1.2.(c) (e)	(c)(e) Cause peripheral driver conflicts;	Yes>>		No >>			
B.9.1.2.(c) (f)	(c)(f) Cause BIOS conflicts;	Yes>>		No >>			
B.9.1.2.(c) (g)	(c)(g) Have the clock modified beyond original manufacturer's design and warranty guidelines.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.	MICROCOMPUTERS						
B.9.1. MICROCOMPUTERS - WORKSTATIONS (Workstation #2)	CLIN 0002						
	At a minimum, the workstation proposed shall include, but not be limited to, the following components:						
B.9.1.1.a.	a. microprocessor, at a minimum, Pentium MMX or equivalent system, backwards compatible to the existing hardware and software base as listed in Sections B.7 and B.9.1.;	Yes>>		No >>			
B.9.1.1.b.	b. minimum 32MB RAM, system expandable to a minimum 128MB, on the motherboard;	Yes>>		No >>			
B.9.1.1.c.	c. minimum 2.0GB formatted, non-compressed hard disk drive	Yes>>		No >>			
B.9.1.1.d.	d. 512KB cache memory;	Yes>>		No >>			
B.9.1.1.e.	e. internal CD-ROM drive, minimum 20x speed	Yes>>		No >>			
B.9.1.1.f.	f. internal 90mm (3.5") High Density Floppy Disk Drive;	Yes>>		No >>			
B.9.1.1.g.	g. additional drive bays for one orderable hard disk drive and one orderable internal Storage Device (e.g., PCMCIA Socket/Port, Tape Back-Up);	Yes>>		No >>			
B.9.1.1.h.	h. 32 Bit SVGA card with 2MB RAM. If integrated on motherboard, must be capable of being disabled and include instructions for disabling; local-bus video compatible, 1024 x 768 resolution, 64K color;	Yes>>		No >>			
B.9.1.1.i.	i. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1, 2, 3, or 4;	Yes>>		No >>			
B.9.1.1.j.	j. one parallel port (bidirectional);	Yes>>		No >>			
B.9.1.1.k.	k. QWERTY non-membrane keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>			
B.9.1.1.l.	l. mouse (not to be connected to the required serial interface described above);	Yes>>		No >>			
B.9.1.1.m.	m. mouse pad;	Yes>>		No >>			
B.9.1.1.n.	n. at least 3 free expansion slots, 2 of which must be 32-bit (minimum) expansion slots; and	Yes>>		No >>			
B.9.1.1.o.	o. documentation, connection, and installation instructions	Yes>>		No >>			
	Categories of Workstation (separate CLINs)						
B.9.1.2.(b)	(b) The second workstation provided shall be, at a minimum, a 200 MHz Pentium MMX or equivalent system.	Yes>>		No >>			
B.9.1.2.(c)	(c) A processor equivalent to a Pentium MMX shall include the following, at a minimum:						
B.9.1.2.(c)(1)	(c)(1) 100 percent binary code compatible with the 80x86 architecture base;	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.1.2.(c)(2)	(c)(2) Allows sophisticated visual capabilities while maintaining background functions;	Yes>>		No >>			
B.9.1.2.(c)(3)	(c)(3) Execute two integer instructions in a single clock cycle;	Yes>>		No >>			
B.9.1.2.(c)(4)	(c)(4) Build-in cache controller;	Yes>>		No >>			
B.9.1.2.(c)(5)	(c)(5) Built-in floating point unit, execute two floating point operations every clock cycle, arithmetic logic unit independent;	Yes>>		No >>			
B.9.1.2.(c)(6)	(c)(6) 32-bit address bus interface, and internal data path;	Yes>>		No >>			
B.9.1.2.(c)(7)	(c)(7) 64-bit data address bus interface;	Yes>>		No >>			
B.9.1.2.(c)(8)	(c)(8) Ensures that the data in the cache and in main memory are consistent with one another;	Yes>>		No >>			
B.9.1.2.(c)(9)	(c)(9) Minimum 32K combined internal cache;	Yes>>		No >>			
B.9.1.2.(c)(10)	(c)(10) Executes MMX instructions.	Yes>>		No >>			
B.9.1.2.	In addition to the salient characteristics, the equivalent processor must run the operating system, GUI, and application software in native applications at processor clock speed intended (e.g., not modification to, and/or additional software, drivers and/or hardware items/products required).	Yes>>		No >>			
B.9.1.2.	In order to be considered equivalent, the proposed processor shall not:			No >>			
B.9.1.2.(c) (a)	(c)(a) Be externally enhanced to make it perform beyond its original intent and design;	Yes>>		No >>			
B.9.1.2.(c) (b)	(c)(b) Be software enhanced to make the processor "think" that it is something other than what it was originally designed to be, or require additional processing demands;	Yes>>		No >>			
B.9.1.2.(c) (c)	(c) (c) Be modified to speed-up the processing capabilities through the use of additional products;	Yes>>		No >>			
B.9.1.2.(c) (d)	(c)(d) Cause system stressing;	Yes>>		No >>			
B.9.1.2.(c) (e)	(c)(e) Cause peripheral driver conflicts;	Yes>>		No >>			
B.9.1.2.(c) (f)	(c)(f) Cause BIOS conflicts;	Yes>>		No >>			
B.9.1.2.(c) (g)	(c)(g) Have the clock modified beyond original manufacturer's design and warranty guidelines.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.2. MICROCOMPUTERS - SERVERS (Single)	CLIN 0003						
	At a minimum, all servers provided shall include, but not be limited to, the following components:						
B.9.2.1.a.	a. minimum 128MB RAM, system expandable to a minimum 512MB, on the motherboard;	Yes>>		No >>			
B.9.2.1.b.	b. minimum 4.0GB formatted and non-compressed hard disk drive.	Yes>>		No >>			
B.9.2.1.c.	c. internal CD-ROM, minimum 20x speed;	Yes>>		No >>			
B.9.2.1.d.	d. 512KB cache memory, per microprocessor;	Yes>>		No >>			
B.9.2.1.e.	e. internal 90mm (3.5") High Density Floppy Disk Drive;	Yes>>		No >>			
B.9.2.1.f.	f. 32 Bit SVGA card with minimum 2MB RAM. If integrated on motherboard, must be capable of being disabled and include instructions for disabling; local-bus video compatible, 1024 x 768 resolution, 64K color;	Yes>>		No >>			
B.9.2.1.g	g. plus an additional four available drive bays for four orderable hard disk drives and two bays for additional orderable internal Storage Devices (e.g., PCMCIA Device, Tape Back-Up) for a minimum of 9 system bays;	Yes>>		No >>			
B.9.2.1.h.	h. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1, 2, 3, or 4;	Yes>>		No >>			
B.9.2.1.i.	i. one parallel port (bidirectional);	Yes>>		No >>			
B.9.2.1.j.	j. QWERTY non-membrane keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>			
B.9.2.1.k.	k. mouse (not to be connected to the required serial interface described above);	Yes>>		No >>			
B.9.2.1.l.	l. mouse pad;	Yes>>		No >>			
B.9.2.1.m.	m. at least 3 free expansion slots, 2 of which must be 32-bit (minimum) expansion slots; and	Yes>>		No >>			
B.9.2.1.n.	n. documentation, connection, and installation instructions.	Yes>>		No >>			
	Categories of Servers						
B.9.2.2(a)	(a) One server provided shall be, at a minimum, a single microprocessor Pentium II 233 MHz or equivalent system.	Yes>>		No >>			
B.9.2.2.(c)	(c) A processor equivalent to the Pentium II shall include the following, at a minimum:						
B.9.2.2.(c)(1)	(c)(1) 32K L1 cache;	Yes>>		No >>			
B.9.2.2.(c)(2)	(c)(2) MMX technology;	Yes>>		No >>			
B.9.2.2.(c)(3)	(c)(3) Floating Point Unit;	Yes>>		No >>			
B.9.2.2.(c)(4)	(c)(4) Out of Order Execution;	Yes>>		No >>			
B.9.2.2.(c)(5)	(c)(5) Execute a minimum of 2 instructions per cycle;	Yes>>		No >>			
B.9.2.2.(c)(6)	(c)(6) Speculative Execution;	Yes>>		No >>			
B.9.2.2.(c)(7)	(c)(7) 64-bit bus width;	Yes>>		No >>			
B.9.2.2.(c)(8)	(c)(8) Compatible with existing software; and	Yes>>		No >>			
B.9.2.2.(c)(9)	(c)(9) Register Renaming.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.2. MICROCOMPUTERS - SERVERS (Dual)	CLIN 0004						
	At a minimum, all servers provided shall include, but not be limited to, the following components:						
B.9.2.1.a.	a. minimum 128MB RAM, system expandable to a minimum 512MB, on the motherboard;	Yes>>		No >>			
B.9.2.1.b.	b. minimum 4.0GB formatted and non-compressed hard disk drive.	Yes>>		No >>			
B.9.2.1.c.	c. internal CD-ROM, minimum 20x speed;						
B.9.2.1.d.	d. 512KB cache memory, per microprocessor;	Yes>>		No >>			
B.9.2.1.e.	e. internal 90mm (3.5") High Density Floppy Disk Drive;	Yes>>		No >>			
B.9.2.1.f.	f. 32 Bit SVGA card with minimum 2MB RAM. If integrated on motherboard, must be capable of being disabled and include instructions for disabling; local-bus video compatible, 1024 x 768 resolution, 64K color;	Yes>>		No >>			
B.9.2.1.g	g. plus an additional four available drive bays for four orderable hard disk drives and two bays for additional orderable internal Storage Devices (e.g., PCMCIA Device, Tape Back-Up) for a minimum of 9 system bays;	Yes>>		No >>			
B.9.2.1.h.	h. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1, 2, 3, or 4;	Yes>>		No >>			
B.9.2.1.i.	i. one parallel port (bidirectional);	Yes>>		No >>			
B.9.2.1.j.	j. QWERTY non-membrane keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>			
B.9.2.1.k.	k. mouse (not to be connected to the required serial interface described above);	Yes>>		No >>			
B.9.2.1.l.	l. mouse pad;	Yes>>		No >>			
B.9.2.1.m.	m. at least 3 free expansion slots, 2 of which must be 32-bit (minimum) expansion slots; and	Yes>>		No >>			
B.9.2.1.n.	n. documentation, connection, and installation instructions.	Yes>>		No >>			
	Categories of Servers						
B.9.2.2(b)	(b) One server provided shall be, at a minimum, a dual microprocessor Pentium II 233 MHz or equivalent system, and include two microprocessors.	Yes>>		No >>			
B.9.2.2.(c)	(c) A processor equivalent to the Pentium II shall include the following, at a minimum:						
B.9.2.2.(c)(1)	(c)(1) 32K L1 cache;	Yes>>		No >>			
B.9.2.2.(c)(2)	(c)(2) MMX technology;	Yes>>		No >>			
B.9.2.2.(c)(3)	(c)(3) Floating Point Unit;	Yes>>		No >>			
B.9.2.2.(c)(4)	(c)(4) Out of Order Execution;	Yes>>		No >>			
B.9.2.2.(c)(5)	(c)(5) Execute a minimum of 2 instructions per cycle;	Yes>>		No >>			
B.9.2.2.(c)(6)	(c)(6) Speculative Execution;	Yes>>		No >>			
B.9.2.2.(c)(7)	(c)(7) 64-bit bus width;	Yes>>		No >>			
B.9.2.2.(c)(8)	(c)(8) Compatible with existing software; and	Yes>>		No >>			
B.9.2.2.(c)(9)	(c)(9) Register Renaming.	Yes>>		No >>			

General Requirements Matrix *						
10/23/97						
RFP Reference	Required Minimum Specifications				Tech Lit Ref.	Manufacturer Model Number
B.9.3. MICROCOMPUTERS - (NOTEBOOKS)	CLIN 0005					
	At a minimum, all notebooks provided shall include, but not be limited to, the following components:					
B.9.3.1.a.	a. 32MB RAM, expandable to a minimum 72MB RAM, on the motherboard;	Yes>>		No >>		
B.9.3.1.b.	b. 32KB internal and 256KB external cache memory;	Yes>>		No >>		
B.9.3.1.c.	c. minimum 2.1GB formatted (non-compressed) hard disk drive;	Yes>>		No >>		
B.9.2.1.d.	d. CD-ROM drive, minimum 20x speed;	Yes>>		No >>		
B.9.3.1.e.	e. one PCMCIA Interface Adapter Port - Type III, with dual connectors (support Type I, Type II, and Type III devices - this includes Series 1 and Series 2 memory cards and Type II I/O cards such as modems and LAN cards), to support all PCMCIA 2.1 I/O cards and hard disks, with driver software, socket service and card services;	Yes>>		No >>		
B.9.3.1.f.	f. fax/modem device (internal or PCMCIA), at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;	Yes>>		No >>		
B.9.3.1.g.	g. 3.5" High Density Floppy Disk Drive;	Yes>>		No >>		
B.9.3.1.h.	h. integrated non-membrane QWERTY keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>		
B.9.3.1.i.	i. integrated pointing device (not to be connected to the required serial interface);	Yes>>		No >>		
B.9.3.1.j.	j. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1 or 2;	Yes>>		No >>		
B.9.3.1.k.	k. one parallel port (bidirectional);	Yes>>		No >>		
B.9.3.1.l.	l. external keyboard port;	Yes>>		No >>		
B.9.3.1.m.	m. external monitor port (1024 x 768 resolution, with 64K colors) capable of driving orderable SVGA monitors;	Yes>>		No >>		
B.9.3.1.n.	n. save and resume feature;	Yes>>		No >>		
B.9.3.1.o.	o. padded carrying case with shoulder strap, capable of carrying this notebook and offered portable printer (including required cables and A/C adapters) in separate compartments.	Yes>>		No >>		
B.9.3.1.p.	p. A/C adaptor;	Yes>		No >>		
B.9.3.1.q.	q. documentation, connection, and operating instructions; and	Yes>>		No >>		
B.9.3.1.r.	r. not more than 8-1/2 pounds system weight (system weight includes the notebook itself and one battery pack);	Yes>>		No >>		
B.9.3.2.	Categories of Notebooks					
B.9.3.2.	The Contractor shall provide categories of notebooks (separate CLINs)					
B.9.3.2.(a)	One notebook proposed shall provide a minimum 233 MHz MMX Pentium or equivalent with a 13.1" TFT 1024 x 768 screen w/64K color, and 3 hour battery life.	Yes>>		No >>		

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.3. MICROCOMPUTERS - NOTEBOOKS)	CLIN 0006						
	At a minimum, all notebooks provided shall include, but not be limited to, the following components:						
B.9.3.1.a.	a. 32MB RAM, expandable to a minimum 72MB RAM, on the motherboard;	Yes>>		No >>			
B.9.3.1.b.	b. 32KB internal and 256KB external cache memory;	Yes>>		No >>			
B.9.3.1.c.	c. minimum 2.1GB formatted (non-compressed) hard disk drive;	Yes>>		No >>			
B.9.2.1.d.	d. CD-ROM drive, minimum 20x speed;	Yes>>		No >>			
B.9.3.1.e.	e. one PCMCIA Interface Adapter Port - Type III, with dual connectors (support Type I, Type II, and Type III devices - this includes Series 1 and Series 2 memory cards and Type II I/O cards such as modems and LAN cards), to support all PCMCIA 2.1 I/O cards and hard disks, with driver software, socket service and card services;	Yes>>		No >>			
B.9.3.1.f.	f. fax/modem device (internal or PCMCIA), at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;	Yes>>		No >>			
B.9.3.1.g.	g. 3.5" High Density Floppy Disk Drive;	Yes>>		No >>			
B.9.3.1.h.	h. integrated non-membrane QWERTY keyboard (a non-membrane keyboard is one in which the keys are not part of a continuous surface. Each key is separate and has an independent key cap.);	Yes>>		No >>			
B.9.3.1.i.	i. integrated pointing device (not to be connected to the required serial interface);	Yes>>		No >>			
B.9.3.1.j.	j. one RS-232 serial interface with independent communication. Must support 16550 Universal Asynchronous Receiving and Transmission (UART), independently addressable as COM 1 or 2;	Yes>>		No >>			
B.9.3.1.k.	k. one parallel port (bidirectional);	Yes>>		No >>			
B.9.3.1.l.	l. external keyboard port;	Yes>>		No >>			
B.9.3.1.m.	m. external monitor port (1024 x 768 resolution, with 64K colors) capable of driving orderable SVGA monitors;	Yes>>		No >>			
B.9.3.1.n.	n. save and resume feature;	Yes>>		No >>			
B.9.3.1.o.	o. padded carrying case with shoulder strap, capable of carrying this notebook and offered portable printer (including required cables and A/C adapters) in separate compartments.	Yes>>		No >>			
B.9.3.1.p.	p. A/C adaptor;	Yes>		No >>			
B.9.3.1.q.	q. documentation, connection, and operating instructions; and	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.3.1.r.	r. not more than 8-1/2 pounds system weight (system weight includes the notebook itself and one battery pack);	Yes>>		No >>			
B.9.3.2.	Categories of Notebooks						
B.9.3.2.	The Contractor shall provide categories of notebooks (separate CLINs)						
B.9.3.2.(b)	(b) One notebook proposed shall provide a minimum 166MHz MMX Pentium or equivalent, a 12.1" STN (minimum requirement) 800 x 600 screen with 64K color, and 2 hour battery life.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.4. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0007						
	RAM Upgrade - Workstation #1						
B.9.4.1.	The RAM upgrades offered shall be in incremental minimums, such that a motherboard may be populated in a staggered basis, until the maximum RAM requirement is met	Yes>>		No >>			
B.9.4.1.(a)	RAM upgrades offered shall be fully compatible with original RAM configuration	Yes>>		No >>			
B.9.4.1.(b)	RAM upgrades to be factory installed, ordered with the workstation						
B.9.4.1.(c)	RAM upgrades for the workstations shall be offered in minimum 16MB increments	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.4. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0008						
	RAM Upgrade - Workstation #2						
B.9.4.1.	The RAM upgrades offered shall be in incremental minimums, such that a motherboard may be populated in a staggered basis, until the maximum RAM requirement is met	Yes>>		No >>			
B.9.4.1.(a)	RAM upgrades offered shall be fully compatible with original RAM configuration	Yes>>		No >>			
B.9.4.1.(b)	RAM upgrades to be factory installed, ordered with the workstation						
B.9.4.1.(c)	RAM upgrades for the workstations shall be offered in minimum 16MB increments;	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0009						
	RAM Upgrade - Server - Single Processor						
B.9.4.1.	The RAM upgrades offered shall be in incremental minimums, such that a motherboard may be populated in a staggered basis, until the maximum RAM requirement is met	Yes>>		No >>			
B.9.4.1.(a)	RAM upgrades offered shall be fully compatible with original RAM configuration	Yes>>		No >>			
B.9.4.1.(b)	RAM upgrades to be factory installed, ordered with the server	Yes>>		No >>			
B.9.4.1.(c)	RAM upgrades for the servers shall be offered in minimum 64MB increments;	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0010						
	RAM Upgrade - Server - Dual Processor						
B.9.4.1.	The RAM upgrades offered shall be in incremental minimums, such that a motherboard may be populated in a staggered basis, until the maximum RAM requirement is met	Yes>>		No >>			
B.9.4.1.(a)	RAM upgrades offered shall be fully compatible with original RAM configuration	Yes>>		No >>			
B.9.4.1.(b)	RAM upgrades to be factory installed, ordered with the server	Yes>>		No >>			
B.9.4.1.(c)	RAM upgrades for the servers shall be offered in minimum 64MB increments;	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0011						
B.9.4.2.	RAM Upgrade - Notebook (Active Matrix)	Yes>>		No >>			
B.9.4.2.(a)	RAM upgrades to be factory installed, ordered with the notebook	Yes>>		No >>			
B.9.4.2.(b)	RAM upgrades for the notebooks shall be offered to fully populate 72MB RAM.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9. RAM UPGRADES - ALL MICROCOMPUTER SYSTEMS	CLIN 0012						
B.9.4.2.	RAM Upgrade - Notebook (STN Screen)	Yes>>		No >>			
B.9.4.2.(a)	RAM upgrades to be factory installed, ordered with the notebook	Yes>>		No >>			
B.9.4.2.(b)	RAM upgrades for the notebooks shall be offered to fully populate 72MB RAM.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.5. SVGA COLOR MONITORS (15" color)	CLIN 0013						
	The color monitor shall be compatible for use with the workstations, servers and notebooks offered.	Yes>>		No >>			
	The Contractor shall provide...one monitor with a minimum 13.7" diagonal viewing area;	Yes>>		No >>			
	The monitors to be offered shall include, at a minimum:						
B.9.5.a.	a. non-interlaced, non-glare, anti-static, 1024 x 768 resolution, 72 HZ, with .28mm Dot Pitch, SVGA color monitor;	Yes>>		No >>			
B.9.5.b.	b. front panel controls to adjust contrast, brightness, horizontal size, horizontal position, vertical size, and vertical position;	Yes>>		No >>			
B.9.5.c.	c. tilt and swivel base;	Yes>>		No >>			
B.9.5.d.	d. all required cabling; and	Yes>>		No >>			
B.9.5.e.	e. documentation, connection, and operating instructions.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.5. SVGA COLOR MONITORS (17" color)	CLIN 0014						
	The color monitor shall be compatible for use with the workstations, servers and notebooks offered.	Yes>>		No >>			
	The Contractor shall provide...one monitor with a minimum 15.7" diagonal viewing area;	Yes>>		No >>			
	The monitors to be offered shall include, at a minimum:						
B.9.5.a.	a. non-interlaced, non-glare, anti-static, 1024 x 768 resolution, 72 HZ, with .28mm Dot Pitch, SVGA color monitor;	Yes>>		No >>			
B.9.5.b.	b. front panel controls to adjust contrast, brightness, horizontal size, horizontal position, vertical size, and vertical position;	Yes>>		No >>			
B.9.5.c.	c. tilt and swivel base;	Yes>>		No >>			
B.9.5.d.	d. all required cabling; and	Yes>>		No >>			
B.9.5.e.	e. documentation, connection, and operating instructions.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.5. SVGA COLOR MONITORS (21" color)	CLIN 0015						
	The color monitor shall be compatible for use with the workstations, servers and notebooks offered.	Yes>>		No >>			
	The Contractor shall provide...one monitor with a minimum 19" diagonal viewing area;	Yes>>		No >>			
	The monitors to be offered shall include, at a minimum:						
B.9.5.a.	a. non-interlaced, non-glare, anti-static, 1024 x 768 resolution, 72 HZ, with .28mm Dot Pitch, SVGA color monitor;	Yes>>		No >>			
B.9.5.b.	b. front panel controls to adjust contrast, brightness, horizontal size, horizontal position, vertical size, and vertical position;	Yes>>		No >>			
B.9.5.c.	c. tilt and swivel base;	Yes>>		No >>			
B.9.5.d.	d. all required cabling; and	Yes>>		No >>			
B.9.5.e.	e. documentation, connection, and operating instructions.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.6.1. STORAGE DEVICES -- HARD DRIVES (minimum 2.5GB internal formatted disk storage)	CLIN 0016						
	The storage device is intended for use with, and shall be compatible for use with the workstations offered.	Yes>>		No >>			
	The Contractor shall include:						
B.9.6.	a. all necessary software and hardware including required cabling and brackets;	Yes>>		No >>			
B.9.6.	b. documentation, connection, and operating instructions; and	Yes>>		No >>			
B.9.6.1.	minimum 2.5GB, internal, non-compressed, formatted disk storage space.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.6.1. STORAGE DEVICES -- HARD DRIVES (minimum 4.0GB internal formatted disk storage)	CLIN 0017						
	The storage device is intended for use with, and shall be compatible for use with, the workstations offered.	Yes>>		No >>			
	The Contractor shall include:						
B.9.6.	a. all necessary software and hardware including required cabling and brackets;	Yes>>		No >>			
B.9.6.	b. documentation, connection, and operating instructions; and	Yes>>		No >>			
B.9.6.1.	minimum 4.0GB, internal, non-compressed, formatted disk storage space.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.6.1. STORAGE DEVICES -- HARD DRIVES (minimum 9.0GB internal formatted disk storage)	CLIN 0018						
	The storage device is intended for use with, and shall be compatible for use with, the servers offered.	Yes>>		No >>			
	The Contractor shall include:						
B.9.6.	a. all necessary software and hardware including required cabling and brackets;	Yes>>		No >>			
B.9.6.	b. documentation, connection, and operating instructions; and	Yes>>		No >>			
B.9.6.1.	minimum 9.0GB, internal, non-compressed, formatted disk storage space.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.6.2. STORAGE DEVICES -- TAPE CARTRIDGE BACK-UP SYSTEM (minimum 1.0GB internal formatted tape storage)	CLIN 0019						
	The tape cartridge back-up system will be used to back-up and restore hard disk drives. This internal tape cartridge back-up system is intended for use with the offered workstations and servers.	Yes>>		No >>			
	The Contractor shall include:						
B.9.6.2.a.	a. all necessary software, hardware, cabling, and brackets;	Yes>>		No >>			
B.9.6.2.b.	b. software and driver;	Yes>>		No >>			
B.9.6.2.c.	c. 3 formatted tape cartridges;	Yes>>		No >>			
B.9.6.2.d.	d. documentation, connection, and operating instructions.; and	Yes>>		No >>			
B.9.6.2.	minimum 1.0GB internal, formatted tape capacity	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.6.2. STORAGE DEVICES -- TAPE CARTRIDGE BACK-UP SYSTEM (minimum 1.0GB external formatted tape storage)	CLIN 0020						
	The external tape cartridge back-up system will be used to back-up and restore hard disk drives. The external tape cartridge back-up system is intended for use with the offered workstations, servers and notebooks.	Yes>>		No >>			
	The Contractor shall include:						
B.9.6.2.a.	a. all necessary software, hardware, cabling, and brackets;	Yes>>		No >>			
B.9.6.2.b.	b. software and driver;	Yes>>		No >>			
B.9.6.2.c.	c. 3 formatted tape cartridges;	Yes>>		No >>			
B.9.6.2.d.	d. documentation, connection, and operating instructions; and	Yes>>		No >>			
B.9.6.2.	minimum 1.0GB external, formatted tape capacity.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.6.2. STORAGE DEVICES -- TAPE CARTRIDGE BACK-UP SYSTEM (minimum 4.0GB internal formatted tape storage)	CLIN 0021						
	The tape cartridge back-up system will be used to back-up and restore hard disk drives. The internal tape cartridge back-up system is intended for use with the offered workstations and servers.	Yes>>		No >>			
	The Contractor shall include:						
B.9.6.2.a.	a. all necessary software, hardware, cabling, and brackets;	Yes>>		No >>			
B.9.6.2.b.	b. software and driver;	Yes>>		No >>			
B.9.6.2.c.	c. 3 formatted tape cartridges;	Yes>>		No >>			
B.9.6.2.d.	d. documentation, connection, and operating instructions; and	Yes>>		No >>			
B.9.6.2.	minimum 4.0GB internal, formatted tape capacity.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
RESERVED	CLIN 0022						

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
RESERVED	CLIN 0023						

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
RESERVED	CLIN 0024						

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.6.4. STORAGE DEVICES -- CD-READER AND RECORDER SYSTEMS (internal)	CLIN 0025						
	The internal CD-Reader and Recorder system will be used with the workstations and servers offered. The internal CD-Reader and Recorder systems are not required to work with the provided notebooks.	Yes>>		No >>			
	The CD-Reader and Recorder Systems offered shall:						
B.9.6.4.a.	a. include 1MB internal buffer;	Yes>>		No >>			
B.9.6.4.b.	b. be compatible with existing CD audio players and CD-ROMs;	Yes>>		No >>			
B.9.6.4.c.	c. include all necessary software, hardware, cabling, and brackets;	Yes>>		No >>			
B.9.6.4.d.	d. include software and driver;	Yes>>		No >>			
B.9.6.4.e.	e. include 3 platters; and	Yes>>		No >>			
B.9.6.4.f.	f. documentation, connection, and operating instructions.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.6.4. STORAGE DEVICES -- CD-READER AND RECORDER SYSTEMS (external)	CLIN 0026						
	The external CD-Reader and Recorder system will be used with the workstations and servers provided. The external CD-Reader and Recorder systems are not required to work with the offered notebooks.	Yes>>		No >>			
	The CD-Reader and Recorder Systems offered shall:						
B.9.6.4.a.	a. include 1MB internal buffer;	Yes>>		No >>			
B.9.6.4.b..	b. be compatible with existing CD audio players and CD-ROMs;	Yes>>		No >>			
B.9.6.4.c.	c. include all necessary software, hardware, cabling, and brackets;	Yes>>		No >>			
B.9.6.4.d.	d. include software and driver;	Yes>>		No >>			
B.9.6.4.e.	e. include 3 platters; and	Yes>>		No >>			
B.9.6.4.f.	f. documentation, connection, and operating instructions.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.1. PERIPHERAL DEVICES -- PCMCIA PORT/SOCKET	CLIN 0027						
B.9.7.1.	The PCMCIA Type III adapter card port/socket offered shall, at a minimum, meet the PCMCIA 2.1 Committee standard (68-pin).	Yes>>		No >>			
B.9.7.1.	The port/socket shall be compatible with the workstations and servers offered. The port/socket is not required to work with the offered notebooks.	Yes>>		No >>			
B.9.7.1.	This product shall have dual connectors, support one Type I and one Type II card simultaneously, or one Type III card, (support Type I, Type II and Type III devices - this includes Series 1 and Series 2 memory cards and Type II I/O cards such as modems and LAN cards), to support all PCMCIA 2.1 I/O cards and hard disks, with driver software, socket service and card services.	Yes>>		No >>			
B.9.7.1.	All required power shall be drawn through the PCMCIA port/socket.	Yes>>		No >>			
B.9.7.1.	As applicable, the adaptor port/socket shall allow for the insertion and removal "Hot-Swap" of the adaptor card while system is powered-up, and appropriate system addressing.	Yes>>		No >>			
B.9.7.1.	All software, drivers, cables, and brackets shall be included.	Yes>>		No >>			
B.9.7.1.	The Contractor shall provide one internal PCMCIA Port/Socket, to be housed in a bay on the front of the workstation or server, to be factory or customer installed.	Yes>>		No >>			
B.9.7.1.	Documentation and installation instructions to be included.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.2. PERIPHERAL DEVICES -- FAX/MODEM (internal)	CLIN 0028						
	The fax/modem shall be compatible with the workstations, servers and notebooks offered. It is not required that the internal fax/modem work with the notebooks offered.	Yes>>		No >>			
	The product offered shall include, at a minimum:						
B.9.7.2.a.	a. fax/modem device, at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;	Yes>>		No >>			
B.9.7.2.b.	b. modem speed: minimum 33.6Kbps (compatible with lower transmit/receive rates);	Yes>>		No >>			
B.9.7.2.c.	c. RJ-11 connectors for line and phone;	Yes>>		No >>			
B.9.7.2.d.	d. audio speaker with software volume control;	Yes>>		No >>			
B.9.7.2.e.	e. communication software for FAX and modem operation;	Yes>>		No >>			
B.9.7.2.f.	f. required cabling, including phone cable; and	Yes>>		No >>			
B.9.7.2.g.	g. documentation, connection, and operating instructions.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.2. PERIPHERAL DEVICES -- FAX/MODEM (external)	CLIN 0029						
	The fax/modem shall be compatible with the workstations, servers and notebooks offered. The external fax/modem shall work with the notebooks offered.	Yes>>		No >>			
	The product offered shall include, at a minimum:						
B.9.7.2.a.	a. fax/modem device, at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;	Yes>>		No >>			
B.9.7.2.b.	b. modem speed: minimum 33.6Kbps (compatible with lower transmit/receive rates);	Yes>>		No >>			
B.9.7.2.c.	c. RJ-11 connectors for line and phone;	Yes>>		No >>			
B.9.7.2.d.	d. audio speaker with software volume control;	Yes>>		No >>			
B.9.7.2.e.	e. communication software for FAX and modem operation;	Yes>>		No >>			
B.9.7.2.f.	f. required cabling, including phone cable; and	Yes>>		No >>			
B.9.7.2.g.	g. documentation, connection, and operating instructions.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.2. PERIPHERAL DEVICES -- FAX/MODEM (PCMCIA)	CLIN 0030						
	The PCMCIA fax/modem shall be compatible with the workstations, servers and notebooks offered.	Yes>>		No >>			
	The PCMCIA fax/modem offered shall be compatible with the notebooks and PCMCIA Port/Socket offered.	Yes>>		No >>			
	The product offered shall include, at a minimum:						
B.9.7.2.a.	a. fax/modem device, at a minimum True V.34 transmission at 33.6Kbps, and V.42bis/MNP 5 data compression;	Yes>>		No >>			
B.9.7.2.b.	b. modem speed: minimum 33.6Kbps (compatible with lower transmit/receive rates);	Yes>>		No >>			
B.9.7.2.c.	c. RJ-11 connector for line;	Yes>>		No >>			
B.9.7.2.d.	d. audio speaker with software volume control (PCMCIA card can use external speaker to generate sound);	Yes>>		No >>			
B.9.7.2.e.	e. communication software for FAX and modem operation;	Yes>>		No >>			
B.9.7.2.f.	f. required cabling, including phone cable; and	Yes>>		No >>			
B.9.7.2.g.	g. documentation, connection, and operating instructions.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.3. PERIPHERAL DEVICES -- I/O INTERFACE CARD	CLIN 0031						
	The I/O interface card offered shall be compatible for use with the workstations and servers offered.	Yes>>		No >>			
	The I/O interface card shall also be compatible with the external fax/modem offered, and shall not impede full data transmission speed.	Yes>>					
	The product offered shall:						
B.9.7.3.a.	a. be, minimum, one RS-232 serial interface with independent communication, must support 16550 Universal Asynchronous Receiving and Transmission (UART), and be independently addressable as COM 1, 2, 3, or 4;	Yes>>		No >>			
B.9.7.3.b.	b. include software and drivers; and	Yes>>		No >>			
B.9.7.3.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>			
	The Contractor shall propose one I/O interface card.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.4. PERIPHERAL DEVICES -- SURGE AND SPIKE PROTECTOR	CLIN 0032						
	The surge and spike protector shall have, at a minimum, 4 power outlets and one telephone line surge and spike protection.	Yes>>		No >>			
	The surge protector must include one or more RJ-11 jacks to surge and spike protect the modem connection to the telephone line), EMI/RFI noise protection, low voltage indicator, visual power-on indicator.	Yes>>		No >>			
	The Contractor shall propose one surge and spike protector.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASET ETHERNET CAPABILITIES/ CONNECTIVITY--16-bit)	CLIN 0033						
	The contractor shall provide for network connectivity.	Yes>>		No >>			
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>			
	The products provided shall include:						
B.9.7.5.a.	a. support for IEEE 802.3 10BaseT unshielded twisted pair (UTP) networks;	Yes>>		No >>			
B.9.7.5.b.	b. a minimum throughput of 10 Mbps at half-duplex; and	Yes>>		No >>			
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>			
	16-bit card 10BaseT card	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASE2 ETHERNET CAPABILITIES/ CONNECTIVITY--16-bit)	CLIN 0034						
	The contractor shall provide for network connectivity.	Yes>>		No >>			
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>			
	The products provided shall include:						
B.9.7.5.a.	a. support for 10Base2 thin coaxial Ethernet networks;	Yes>>		No >>			
B.9.7.5.b.	b. a minimum throughput of 2 Mbps; and	Yes>>		No >>			
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>			
	16-bit 10Base2 Ethernet card	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (TOKEN RING CAPABILITIES/ CONNECTIVITY)	CLIN 0035						
	The contractor shall provide for network connectivity.	Yes>>		No >>			
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>			
	The products provided shall include:						
B.9.7.5.a.	a. support for both shielded twisted pair (STP) and unshielded twisted pair (UTP) Token-Ring and IEEE 802.5 networks;	Yes>>		No >>			
B.9.7.5.b.	b. 16 Mbps or 4 Mbps software-selectable ring speed;	Yes>>		No >>			
B.9.7.5.c.	c. 9-pin D connector;	Yes>>		No >>			
B.9.7.5.d.	d. RJ-45 connector; and	Yes>>		No >>			
B.9.7.5.e.	e. documentation and operating instructions.	Yes>>		No >>			
	16-bit Token Ring card	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASET ETHERNET CAPABILITIES/ CONNECTIVITY--32-bit)	CLIN 0036						
	The contractor shall provide for network connectivity.	Yes>>		No >>			
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>			
	The products provided shall include:						
B.9.7.5.a.	a. support for IEEE 802.3 10BaseT unshielded twisted pair (UTP) networks;	Yes>>		No >>			
B.9.7.5.b.	b. a minimum throughput of 10 Mbps at half-duplex; and	Yes>>		No >>			
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>			
	32-bit 10BaseT card	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASE2 ETHERNET CAPABILITIES/ CONNECTIVITY--32-bit)	CLIN 0037						
	The contractor shall provide for network connectivity.	Yes>>		No >>			
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>			
	The products provided shall include:						
B.9.7.5.a.	a. support for 10Base2 thin coaxial Ethernet networks;	Yes>>		No >>			
B.9.7.5.b.	b. a minimum throughput of 2 Mbps; and	Yes>>		No >>			
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>			
	32-bit 10Base2 card	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASET ETHERNET CAPABILITIES/ CONNECTIVITY--PCMCIA)	CLIN 0038						
	The contractor shall provide for network connectivity. Notebook connectivity can be through the use of a PCMCIA device.	Yes>>		No >>			
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>			
	The products provided shall include:						
B.9.7.5.a.	a. support for IEEE 802.3 10BaseT unshielded twisted pair (UTP) networks;	Yes>>		No >>			
B.9.7.5.b.	b. a minimum throughput of 10 Mbps at half-duplex; and	Yes>>		No >>			
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>			
	10BaseT PCMCIA	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.7.5. PERIPHERAL DEVICES -- NETWORK INTERFACE (10BASE2 ETHERNET CAPABILITIES/ CONNECTIVITY--PCMCIA)	CLIN 0039						
	The contractor shall provide for network connectivity. Notebook connectivity can be through the use of a PCMCIA device.	Yes>>		No >>			
	Network cards shall be compatible with products provided in this contract.	Yes>>		No >>			
	The products provided shall include:						
B.9.7.5.a.	a. support for 10Base2 thin coaxial Ethernet networks;	Yes>>		No >>			
B.9.7.5.b.	b. a minimum throughput of 2 Mbps; and	Yes>>		No >>			
B.9.7.5.c.	c. documentation, connection, and operating instructions.	Yes>>		No >>			
	10Base2 PCMCIA	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.8.1. PRINTERS -- PORTABLE PRINTER	CLIN 0040						
	The portable printer will be used in an office/home environment.	Yes>>		No >>			
	The portable printer will primarily be used in conjunction with the notebooks and software offered, as well as existing software, per Section B.6.	Yes>>		No >>			
	The portable printer is compatible with the offered workstations, servers, notebooks and software offered .	Yes>>		No >>			
	The product offered shall:						
B.9.8.1.a.	a. have near letter quality output;	Yes>>		No >>			
B.9.8.1.b.	b. have black and white printing;	Yes>>		No >>			
B.9.8.1.c.	c. have a battery with the capability to print thirty (30) continuous pages of standard, single-spaced, full-page text when the battery is fully-charged;	Yes>>		No >>			
B.9.8.1.d.	d. include start up supplies (excluding paper) sufficient to print 1,000 pages of standard text (5% page coverage).	Yes>>		No >>			
B.9.8.1.e.	e. not weigh more than 5.7 pounds with battery;	Yes>>		No >>			
B.9.8.1.f.	f. have a parallel interface with a 6-foot parallel cable;	Yes>>		No >>			
B.9.8.1.g.	g. have an A/C adaptor capable of charging the battery, while in use;	Yes>>		No >>			
B.9.8.1.h.	h. be a plain paper printer; and	Yes>>		No >>			
B.9.8.1.i.	i. include documentation, connection, and operating instructions.	Yes>>		No >>			
	The Contractor shall propose one portable printer.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.8.2. PRINTERS -- INK JET PRINTER	CLIN 0041						
	The ink jet printer will be used in an office/home environment.	Yes>>		No >>			
	The ink jet printer is compatible with the offered workstations, servers, notebooks and software.	Yes>>		No >>			
	The ink jet printer shall print in both black and white, and color mode.	Yes>>		No >>			
	The product offered shall:						
B.9.8.2.a.	a. print 3 pages per minute print speed, in black and white print mode;	Yes>>		No >>			
B.9.8.2.b.	b. include color printing;	Yes>>		No >>			
B.9.8.2.c.	c. have 600 x 300 dots per inch (dpi) print resolution;	Yes>>		No >>			
B.9.8.2.d.	d. have, at a minimum, 12 scalable fonts;	Yes>>		No >>			
B.9.8.2.e.	e. include start up supplies (excluding paper) sufficient to print 2,000 pages of standard text (5% page coverage), with a minimum 1,000 pages in color and 1,000 pages in black and white;	Yes>>		No >>			
B.9.8.2.f.	f. include a parallel interface with a 15-foot parallel cable; and	Yes>>		No >>			
B.9.8.2.g.	g. include documentation, connection, and operating instructions.	Yes>>		No >>			
	The Contractor shall propose one ink-jet printer.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.8.3. PRINTERS -- BASE-CAPACITY LASER PRINTER	CLIN 0042						
	The base capacity laser printer offered will be used in an office/home environment.	Yes>>		No >>			
	The base-capacity laser printer will primarily be used for a single/double workstation printing volume for text and graphics.	Yes>>		No >>			
	The base-capacity laser printer is capable of printing letter and legal size pages and transparencies.	Yes>>		No >>			
	The base-capacity laser printer does work with all offered workstations, servers, notebooks, and software including network software.	Yes>>		No >>			
	The product offered shall include:						
B.9.8.3.a.	a. 4MB RAM or equivalent processing capability ("equivalent processing capability" is included because some printer models utilize a memory enhancement/data compression feature, which reduces the amount of printer RAM required to process 4MB of data);	Yes>>		No >>			
B.9.8.3.b.	b. 6 ppm print speed;	Yes>>		No >>			
B.9.8.3.c.	c. black and white printing;	Yes>>		No >>			
B.9.8.3.d.	d. resolution density of 600 x 600 dpi, printer intensity/shading/ grey-scaling shall include smooth transitions between them with no banding;	Yes>>		No >>			
B.9.8.3.e.	e. internal fonts scalable from .25 to 1,000 points;	Yes>>		No >>			
B.9.8.3.f.	f. true Level 2 Adobe PostScript printing (or equivalent);	Yes>>		No >>			
B.9.8.3.g.	g. HP Laserjet IV (or later) emulation;	Yes>>		No >>			
B.9.8.3.h.	h. parallel interface with a 15-foot parallel cable;	Yes>>		No >>			
B.9.8.3.i.	i. start up supplies (excluding paper) sufficient to print 10,000 pages of standard text (5% page coverage);	Yes>>		No >>			
B.9.8.3.j	j. documentation, connection, and operating instructions.	Yes>>		No >>			
	The Contractor shall propose one base-capacity printer.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.8.4. PRINTERS -- HIGH-CAPACITY LASER PRINTER	CLIN 0043						
	The high-capacity laser printer offered will be used in an office/home environment.	Yes>>		No >>			
	The high-capacity laser printer will primarily be used for network application and large printing volumes for text and graphics.	Yes>>		No >>			
	The high-capacity laser printer is capable of printing regular and legal size pages and transparencies.	Yes>>		No >>			
	The high-capacity laser printer is capable of being connected to an offered network as a separate node.	Yes>>		No >>			
	The high-capacity laser printer does work with all offered workstations, servers, notebooks, network device offered and software, including network software.	Yes>>		No >>			
	The product offered shall include:						
B.9.8.4.a.	a. minimum 12MB RAM or equivalent processing capability ("equivalent processing capability" is included because some printer models utilize a memory enhancement/data compression feature, which reduces the amount of printer RAM required to process 12MB of data);	Yes>>		No >>			
B.9.8.4.b.	b. 16 ppm simplex (single-sided) print speed;	Yes>>		No >>			
B.9.8.4.c.	c. black and white printing;	Yes>>		No >>			
B.9.8.4.d.	d. resolution/density of 600 x 600 dpi, printer intensity/shading/ grey-scaling shall include smooth transitions between them with no banding;	Yes>>		No >>			
B.9.8.4.e.	e. true, Level 2 Adobe PostScript (or equivalent) printing (internal without use of additional cartridge), Printer Control Language 5, (PostScript and PCL5 switchable either via software or external printer control);	Yes>>		No >>			
B.9.8.4.f.	f. HP Laserjet IV (or later) emulation;	Yes>>		No >>			
B.9.8.4.g.	g. 1,000 sheet capacity. If multiple trays are used, system shall automatically detect paper out condition and go to next tray;	Yes>>		No >>			
B.9.8.4.h.	h. capability for network connectivity as separate node;	Yes>>		No >>			
B.9.8.4.i.	i. parallel interface with a 15-foot parallel cable;	Yes>>		No >>			
B.9.8.4.j.	j. start up supplies (excluding paper) sufficient to print 10,000 pages of standard text (5% page coverage);	Yes>>		No >>			
B.9.8.4.k.	k. documentation, connection, and operating instructions.	Yes>>		No >>			
	The Contractor shall propose one high-capacity laser printer.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.8.5. PRINTERS -- HIGH-CAPACITY LASER PRINTER NETWORK INTERFACE	CLIN 0044						
	The network interface offered works with the High-Capacity Laser Printer.	Yes>>		No >>			
	Use of this interface offered shall make the High-Capacity Laser Printer capable of being connected to the offered networks as a separate node.	Yes>>		No >>			
	The connectivity can be through the use of an internal network card inserted into the printer, or as an external "intelligent" network interface device (i.e., print jobs can be controlled at the server).	Yes>>		No >>			
	The products offered shall include:						
B.9.8.5.a.	a. combined support for 10BaseT and 10Base2 Ethernet capabilities/connectivity	Yes>>		No >>			
B.9.8.5.b.	b. support for IEEE 802.3 10BaseT unshielded twisted pair (UTP) networks;	Yes>>		No >>			
B.9.8.5.c.	c. support for 10Base2 thin coaxial Ethernet networks;	Yes>>		No >>			
B.9.8.5.d.	d. a minimum throughput of 10 Mbps at half-duplex for the 10BaseT, and 2 Mbps for the 10Base2; and	Yes>>		No >>			
B.9.8.5.e.	e. documentation, connection, and operating instructions.	Yes>>		No >>			
	The Contractor shall propose one device to meet the printer network interface card requirements.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.9. POWER MANAGEMENT DEVICES	CLIN 0045						
	Uninterruptable Power Supply (UPS)						
	The primary purpose of the UPS is to provide power to orderable products when the commercial power fails or becomes unstable.	Yes>>		No >>			
	The UPS shall provide support for the servers provided, for 20 minutes without interruption.	Yes>>		No >>			
	When the UPS is attached to a LAN file server and UPS monitoring is implemented, the UPS shall indicate loss of power to the file server and any workstations attached by displaying an on-screen warning.	Yes>>		No >>			
	The UPS shall automatically power down the server in an orderly manner via preset commands.	Yes>>		No >>			
	The product offered shall include:						
B.9.9.a.	a. remote shut-down capability;	Yes>>		No >>			
B.9.9.b.	b. software to operate UPS with network software provided on this contract;	Yes>>		No >>			
B.9.9.c.	c. switching takes place without disruption of power;	Yes>>		No >>			
B.9.9.d.	d. lightning, surge, and spike protection;	Yes>>		No >>			
B.9.9.e.	e. EMI/RFI noise filtering;	Yes>>		No >>			
B.9.9.f.	f. status indicator(s);	Yes>>		No >>			
B.9.9.g.	g. audible alarm;	Yes>>		No >>			
B.9.9.h.	h. display voltage output and percentage of capacity used; and	Yes>>		No >>			
B.9.9.i.	i. documentation, connection, and operating instructions.	Yes>>		No >>			
	The Contractor shall propose one UPS product, including any necessary software and drivers to meet this requirement.	Yes>>		No >>			

General Requirements Matrix *							
10/23/97							
RFP Reference	Required Minimum Specifications					Tech Lit Ref.	Manufacturer Model Number
B.9.10. GOVERNMENT-FURNISHED PROPERTY (GFP) CARD INSTALLATION - (FOR CUSTOMS ONLY)	CLIN 0046						
	At times, Government Furnished Property (GFP) may need to be installed in the workstations and servers.	Yes>>		No >>		Not Applicable (N/A)	
	This GFP refers to internally installed circuit cards such as, but not limited to the J1 Systems AdaptCoax Adaptor & ElitePlus Emulation Software, SMC Elite16T Adaptor & Setup Software, Proteon P1392 Token Ring Adaptor/Software, and other network cards and secure cards.						
	The cards will be installed prior to workstation and server delivery to the Government.	Yes>>		No >>		N/A	
	GFP will be provided at a site agreed to by the contractor and Government.	Yes>>		No >>		N/A	
	Installation of GFP shall not delay the delivery requirements, unless the delay is caused by the Government.	Yes>>		No >>		N/A	
	The Contractor shall provide at a single flat labor rate for installation and configuration of such GFP.	Yes>>		No >>		N/A	

Application Software					
10/23/97					
RFP Reference	Required Application Software				
B.9.11. SOFTWARE					
	All software (media, license and documentation) shall be provided based on the commercial practices of the manufacturer.	Yes>>		No >>	Not Applicable (N/A)
	All software, when ordered with a workstation, server, or notebook, shall be installed and configured prior to delivery in its respective directory/directories, by the Contractor, unless noted otherwise, on the delivery order.	Yes>>		No >>	N/A
	Network operating system software shall be loaded to the default level.	Yes>>		No >>	N/A
	Throughout the software product life, on the contract, the most current version, at time of delivery order, will be provided unless specified otherwise by the Government.	Yes>>		No >>	N/A
	Initially, software will be provided for single user, and include media, license and documentation.	Yes>>		No >>	N/A
	Documentation shall be provided based on the commercial practice of the manufacturer.	Yes>>		No >>	N/A
	This will not limit how software will be required by the Government, to meet future requirements.	Yes>>		No >>	N/A
	Software offered shall be the most current version available from the manufacturer, at time of proposal, unless the Government states otherwise.	Yes>>		No >>	N/A
	In addition to the specific software products being required, the Contractor shall also include non-specific brand name products. The following conditions apply to the non-specific software being requested:	Yes>>			N/A
B.9.11.a.	a. The products offered must fit within the appropriate category provided (i.e., operating system, word processing, spreadsheet, etc.)	Yes>>		No >>	N/A
b.9.11.b.	<p>The offered products may not include software that is commonly referred to as "share-ware," "free-ware," or "public domain software." These terms are defined as follows:</p> <p>Shareware: Software that is distributed on a trial basis through electronic bulletin board systems, on-line services, and user groups. Shareware is distributed on the honor system, and if a user decides to keep and use it, then that user must register and pay for it.</p> <p>Freeware: Software distributed without charge. Ownership is retained by the developer who has control over its redistribution, including the ability to change the next release of freeware to payware.</p> <p>Public Domain Software: Software in which ownership has been relinquished to the public at large.</p>	Yes>>		No >>	N/A

Application Software						
10/23/97						
B.9.11. SOFTWARE						
RFP Reference	Required Application Software					Proposed Version #
B.9.11.	The Contractor shall propose:					
B.9.11.a. (CLIN 0047)	(a) Corel Word Perfect	Yes>>		No >>		
B.9.11.b. (CLIN 0048)	(b) Microsoft Word	Yes>>		No >>		
B.9.11.c. (CLIN 0049)	(c) Non-Specific Word Processing	Yes>>		No >>		
B.9.11.d. (CLIN 0050)	(d) Lotus 1-2-3	Yes>>		No >>		
B.9.11.e. (CLIN 0051)	(e) Microsoft Excel	Yes>>		No >>		
B.9.11.f. (CLIN 0052)	(f) Non-Specific Spreadsheet	Yes>>		No >>		
B.9.11.g. (CLIN 0053)	(g) Microsoft Office Pro	Yes>>		No >>		
B.9.11.h. (CLIN 0054)	(h) Non-Specific Software Suite	Yes>>		No >>		
B.9.11.i. (CLIN 0055)	(i) Non-Specific Software Suite	Yes>>		No >>		
B.9.11.j. (CLIN 0056)	(j) Microsoft Windows 95	Yes>>		No >>		
B.9.11.k. (CLIN 0057)	(k) Microsoft Windows NT - Workstation	Yes>>		No >>		
B.9.11.l. (CLIN 0058)	(l) Microsoft Windows NT - Server (50 License/User--include media, license and documentation)	Yes>>		No >>		
B.9.11.m. (CLIN 0059)	(m) Microsoft Back Office Client Access	Yes>>		No >>		
B.9.11.n. (CLIN 0060)	(n) Microsoft Exchange Client Access	Yes>>		No >>		
B.9.11.o. (CLIN 0061)	(o) Microsoft Windows NT Client Access	Yes>>		No >>		
B.9.11.p. (CLIN 0062)	(p) Microsoft Systems Management Server Client Access	Yes>>		No >>		
B.9.11.q. (CLIN 0063)	(q) Microsoft Systems Management Server Client Access - License only	Yes>>		No >>		
B.9.11.r. (CLIN 0064)	(r) Lotus Notes Desktop Client - License only	Yes>>		No >>		
B.9.11.s. (CLIN 0065)	(s) Non-Specific Operating System -- Can be single or multi-user, include media, license and documentation	Yes>>		No >>		
B.9.11.t. (CLIN 0066)	(t) Non-Specific Operating System -- Can be single or multi-user --License only	Yes>>		No >>		

Contractor Services						
10/23/97						
RFP Reference	Required Warranty					Proposed Version #
B.12.	The Contractor shall propose two individual (flat) rates for on-site, parts and labor warranty meeting the one year requirements of this contract, for sites other than those within the Continental United States (CONUS).	Yes>>		No >>		
B.12. (CLIN 0067)	OCONUS - Workstations and Notebooks	Yes>>		No >>		
B.12. (CLIN 0068)	OCONUS - Servers	Yes>>		No >>		

Contractor Services					
10/23/97					
RFP Reference	Required Services				
	The Contractor shall provide:				
B.12.	Warranty Service	Yes>>	No >>		
B.12.1.	Coverage Period	Yes>>	No >>		
B.12.2.	Response Requirements	Yes>>	No >>		
B.12.2.1.	Call Identification	Yes>>	No >>		
B.12.2.2.	Technician Dispatched	Yes>>	No >>		
B.12.2.3.	Conditions - Preacceptance Failure	Yes>>	No >>		
B.12.2.4.	Data Storage Device Repair	Yes>>	No >>		
B.12.2.5.	Network Server Repair	Yes>>	No >>		
B.12.2.6.	All Other Products Repair	Yes>>	No >>		
B.12.3.	Repetitive Failure and/or Long Term Failure	Yes>>	No >>		
B.12.3.1.	Replaced Parts	Yes>>	No >>		
B.12.4.	Third Party Repair	Yes>>	No >>		
Reporting Requirements					
B.12.5.	Shipping Status Reporting	Yes>>	No >>		
B.12.6.	Serial Number Report	Yes>>	No >>		
B.12.7.	Additional Warranty Conditions and Exclusions	Yes>>	No >>		
b.12.8.	Warranty Coverage for Used Equipment	Yes>>	No >>		
B.14.	Software Updates/Upgrades	Yes>>	No >>		
B.15.	Reserved	Yes>>	No >>		
B.16.	Reports and Order Information	Yes>>	No >>		
B.16.1.	Contractor Reporting Requirements	Yes>>	No >>		
B.16.2.	Specific Report Requirements	Yes>>	No >>		
B.16.3.	Reports				
B.16.3.1.	Status Report with Performance Measures	Yes>>	No >>		
B.16.3.2.	Invoice Report with Performance Measures	Yes>>	No >>		
B.16.3.3.	Equipment Failure Report with Performance Measures	Yes>>	No >>		
B.16.3.4.	Items Report	Yes>>	No >>		
B.16.3.5.	Additional Report Requirements	Yes>>	No >>		
B.17.	Catalog	Yes>>	No >>		
B.17.1.	Product Information	Yes>>	No >>		
B.17.2.	Internet Catalog Sort Feature	Yes>>	No >>		
B.17.3.	Printed Catalog and Advertising	Yes>>	No >>		
B.18.	Promoting the Contract	Yes>>	No >>		
B.19.	Electronic Mail	Yes>>	No >>		
B.20.	Serial Numbers	Yes>>	No >>		
B.21.	Reserved	Yes>>	No >>		
B.22.	Reserved	Yes>>	No >>		
B.23.	Energy-Efficient Microcomputers, Monitors, and Printers	Yes>>	No >>		
B.23.1.	Overall Requirements	Yes>>	No >>		
B.23.2.	Energy-Efficiency Specifications	Yes>>	No >>		
B.24.	Applicable Documents	Yes>>	No >>		

E.2.12. AMENDMENTS TO PROPOSALS

Should it become necessary for an Offeror to incorporate revisions into its proposal, the Offeror shall submit change page(s). All changes shall be indicated by a vertical line, adjacent to the change, on the outside margin on the page. In addition, each revised page shall include a footer that contains the date of the change, the Offeror's revision number, (if the change is being made in response to a solicitation amendment) the applicable Government amendment number, and the page number. The format of the footer for the change pages shall appear as follows:

January xx, 1998, Revision: 01, Amendment: 06, II-30

or if the change is not submitted in response to an amendment to the Government's solicitation:

January xx, 1998, Revision: 01 II-30

Each change to the Offeror's proposal shall have a revision number regardless of whether or not the change is a result of a Government amendment.

E.2.13. SUBMISSION OF PROPOSALS**E.2.13.1. Due Date for Proposals**

Proposals submitted in response to the full and open portion of this solicitation shall be delivered before or no later than, February 4, 1998, 2:00 P.M., local time. Proposals submitted in response to the small business set-aside portion shall be delivered before or no later than February 20, 1998, 2:00 P.M., local time. Any change in this date and time will be stated in an Amendment to the Solicitation issued with a Standard Form 30. (CAUTION: See "Late Offers" in Section E.1., paragraph (f)). All Offerors are requested to notify the individual shown in Block 7a. of the Standard Form 1449 at least 24 hours in advance of their planned delivery time.

E.2.13.2. Packaging and Marking of Proposals

Each package shall be sealed and clearly marked with the solicitation number, the Offeror's name, and the date of submission. Failure to deliver required contracts and technical packages to the designated addresses with packages properly identified may be the cause of an offer being received late and unacceptable in accordance with clause 52.212-1, entitled "Late offers".

One package shall be marked "CONTRACTS" and the other package shall be marked "TECHNICAL." Each package shall include a inventory list which the Government will use as a checklist to verify that all required items are present. The contents of each package shall be as follows:

(c) In addition to completing the Product Technical Requirements Matrices, Offerors shall submit technical literature to substantiate Offeror representations that products are compliant with the stated mandatory specifications and mandatory requirements. If technical literature is not provided, the proposal will be found non-compliant. Technical literature means information, such as catalog cuts, illustrations, drawings, and brochures, which shows the characteristics or construction of a product or explains its operation. The term includes only information required to determine acceptability of the product.

(d) The Government will review the Product Technical Requirements Matrix associated with each CLIN, and will then examine the cross-referenced technical literature to validate that each individual mandatory specification and mandatory requirement is being met. The Government will make a reasonable attempt to locate all information in the technical literature that shows that the product meets the mandatory specifications and mandatory requirements. In the event that this information cannot be located in the technical literature or if there are inconsistencies such that it is not clear which features described in the literature are included with the product being offered, the proposal will be found non-compliant.

E.3.6. PAST PERFORMANCE EVALUATION

Past performance will be evaluated as described below. Information obtained from the offeror and through Dun & Bradstreet (D&B) will be used by the Government in conducting this evaluation. Of the ten (10) references submitted to D&B, five (5) will be randomly selected and interviewed by D&B. (See RFP Section E, Volume I - Business Proposal instructions concerning the engagement of D&B to collect past performance information by interviewing the Offeror's clients or customers.) The Government will: (1) analyze the historical facts of the Offeror's work experience and observations made by both the Offeror and its customers on that experience, (2) make qualitative judgements about the facts and observations, and (3) assign a past performance rating using the scale shown in (d) below to determine whether the offeror passes or fails the past performance criteria. This evaluation will concern the past performance of an Offeror's prior experience as a prime or subcontractor. It will not concern the prior experience of individual personnel in the offeror's organization or of any proposed subcontractors.

(a) In conducting the evaluation, the Government will consider facts and observations about how well the Offeror performed in the following areas: (1) adhering to delivery or performance requirements; and fulfilling the standards of quality required; (2) management of the agreement; and (3) customer satisfaction, entailing being responsive to clients' or customers' needs and meeting their overall expectations regarding contract performance.

(b) The specific questions, relevant to the four areas stated above, which will be used by D&B in interviewing the Offerors clients or customers are stated in RFP Section D, Attachment 9. Questions #1 through 4 are relevant to (1) above; Question #5 and 6 are relevant to (2) above; Question #7 is relevant to (3) above.